



FEMA

Disclaimer: The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

FEMA Region 6 Weather Threat Briefing

Saturday, August 22, 2015

Issued: 0800 CT

Day 1 Hazards: Heavy rainfall and flash flooding over northern Oklahoma along with a few severe thunderstorms

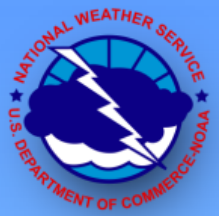
National Weather Service

Southern Region Headquarters
Regional Operations Center
Fort Worth, TX



Prepared by: Mark Wiley
817-978-1100 x 147

Key Points



Saturday

- Heavy rainfall over northern into eastern OK today may produce localized flash flooding
- Marginal risk of severe thunderstorms across northern Oklahoma
 - Damaging wind gusts and heavy rainfall possible

Sunday - Wednesday

- No Significant Weather Impacts






Tropical Outlook

- Hurricane Danny in the central Atlantic is forecast to remain a hurricane today as it moves toward the Lesser Antilles, but is expected to weaken as it moves into an area of higher wind shear and drier air over the eastern Caribbean into early next week and not impact FEMA 6
- A non-tropical low pressure system over the western Atlantic 200 miles north of Bermuda has some potential for tropical or subtropical development, but this system will have no impacts to FEMA 6 as it moves slowly northward
- A tropical wave near the coast of Africa has a low chance (60%) of development over the next 5 days as it moves westward at 25 mph

*FEMA Region 6 Threat Matrix

Aug 22, 2015 - Aug 26, 2015

DAY/ THREAT	SAT	SUN	MON	TUE	WED
Severe Weather	N OK				
Heavy Rain / Flash Flooding	N-E OK				
Heat					
Tropical					
Fire					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

We continue to welcome feedback on our new color scale (details in the next slide). Please send comments to sr-srh.roc@noaa.gov.

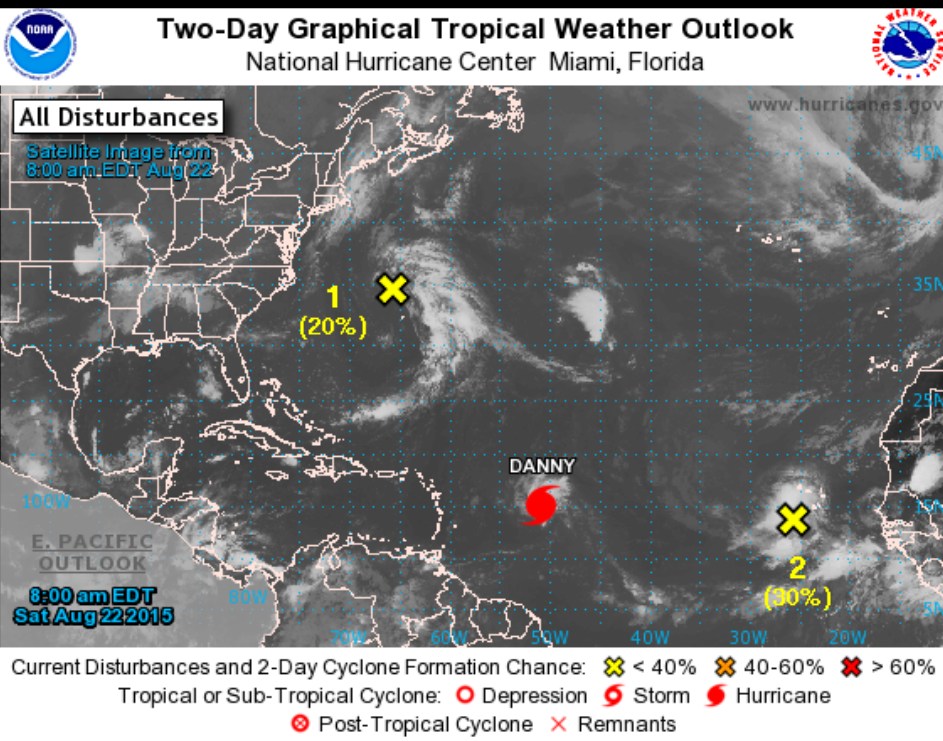


The criteria for the color codes in our briefings is below, please provide any feedback to sr-srh.roc@noaa.gov.



Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

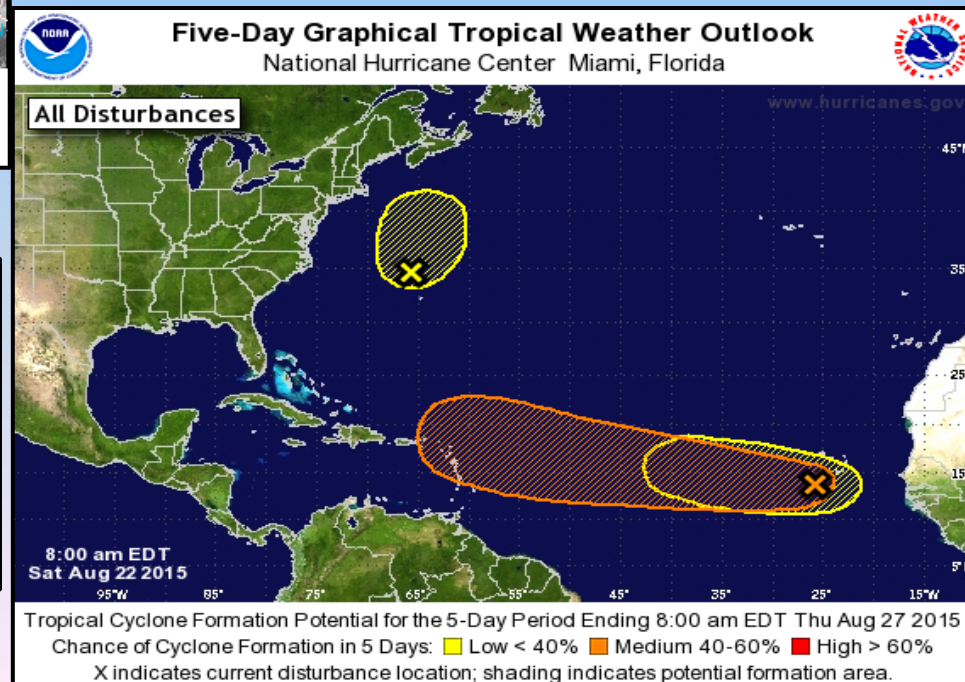
Atlantic/Gulf Tropical Weather Outlook



Hurricane Danny is located about 700 miles east of the Leeward Islands and moving west-northwest at 10 mph. More information regarding Danny is on the next slide.

1. A poorly organized system 200 miles northwest of Bermuda still has some potential for tropical or subtropical development during the next few days at moves slowly northward. After that the time, the low is expected to merge with a frontal system and dissipate.. **No Impacts to FEMA Region 6.**

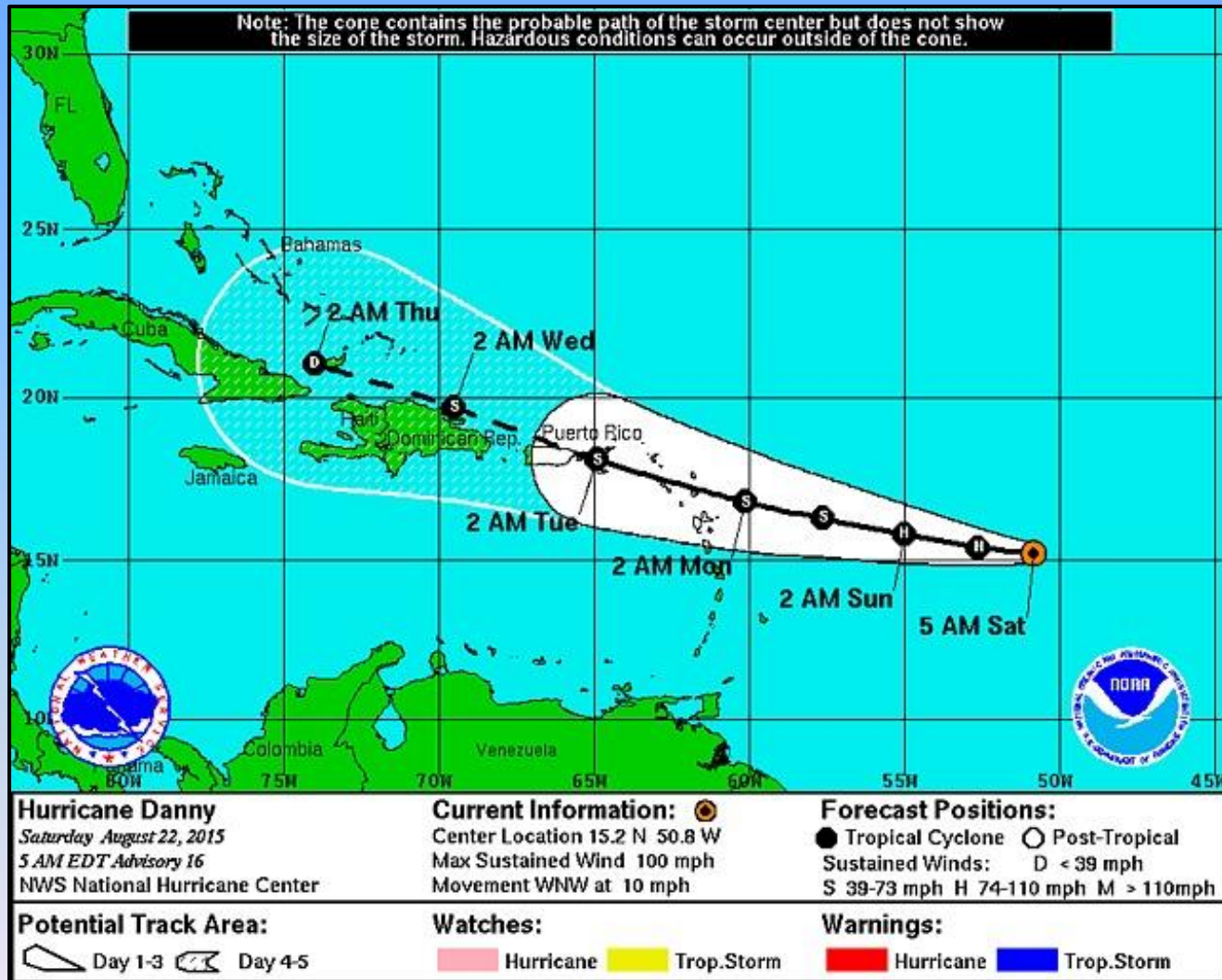
- Formation chance through 48 hours...low...10 percent
- Formation chance through 5 days...medium...30 percent



2. Shower activity associated with a tropical wave near and south of the Cape Verde Islands has become a little better organized since yesterday. Additional slow development of this system is possible during the next several days while the wave moves quickly westward at about 25 mph over the tropical Atlantic Ocean.

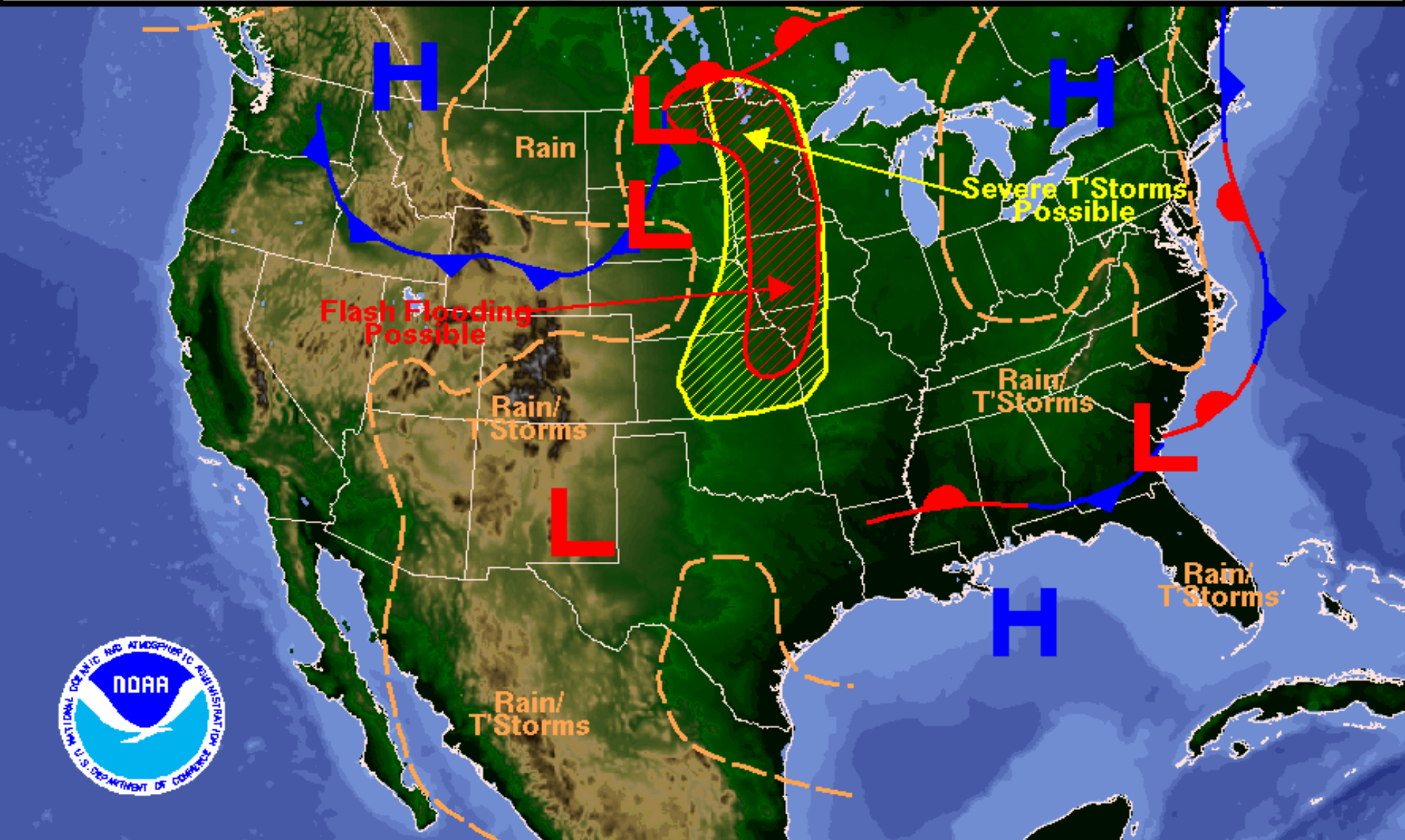
- Formation chance through 48 hours...low...near 30 percent
- Formation chance through 5 days...low...60 percent

Hurricane Danny



- Danny to remain a hurricane today
- By Sunday, Danny is expected to weaken to a tropical storm as it moves into an area of higher wind shear and drier air over the Caribbean
- Danny will further weaken mid-week into a tropical depression
- No impacts expected to FEMA 6

Today's Weather



Weather Forecast for Sat, Aug 22, 2015, issued 4:21 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by Fanning based on WPC, SPC and NHC forecasts

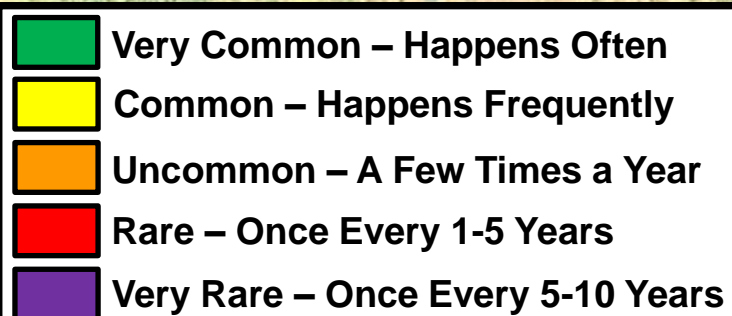
Day 1 Weather Hazards

Valid: 0800 Sat - 0800 Sun



**Marginal risk of
severe thunderstorms
over northern OK**

**Locally heavy
rainfall may
produce flash
flooding**



***Threat levels are based on FEMA
Region 6 criteria. State or local
threat level criteria may differ.**

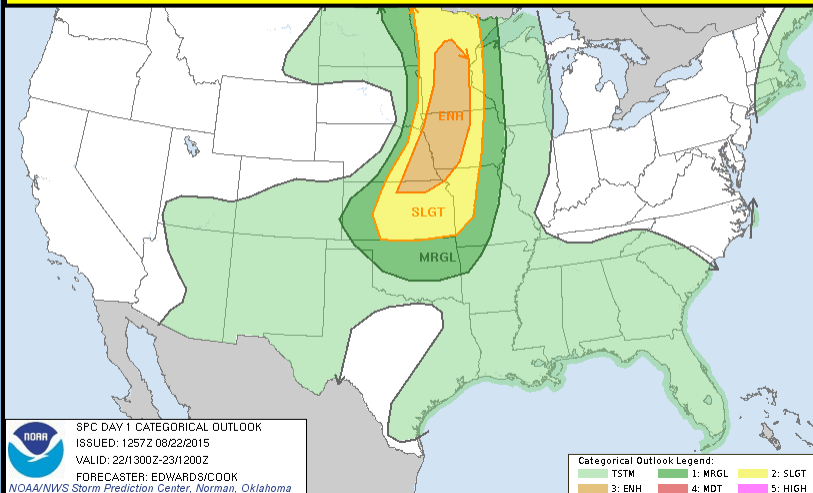


Saturday, August 22, 2015

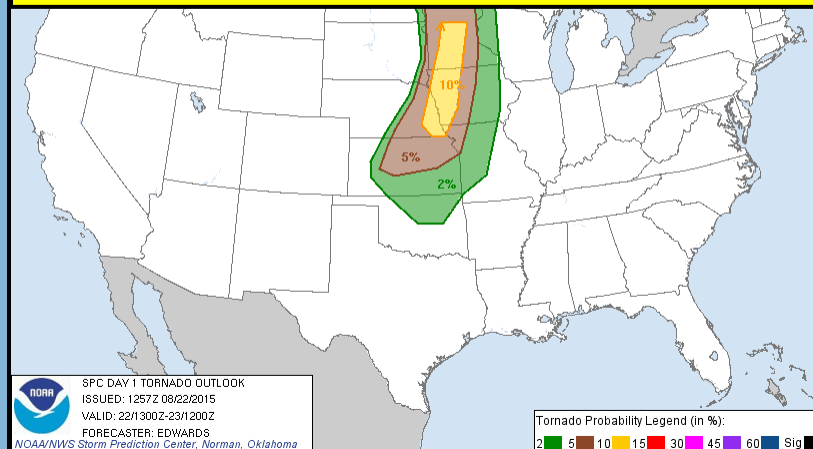
Severe Thunderstorm Potential



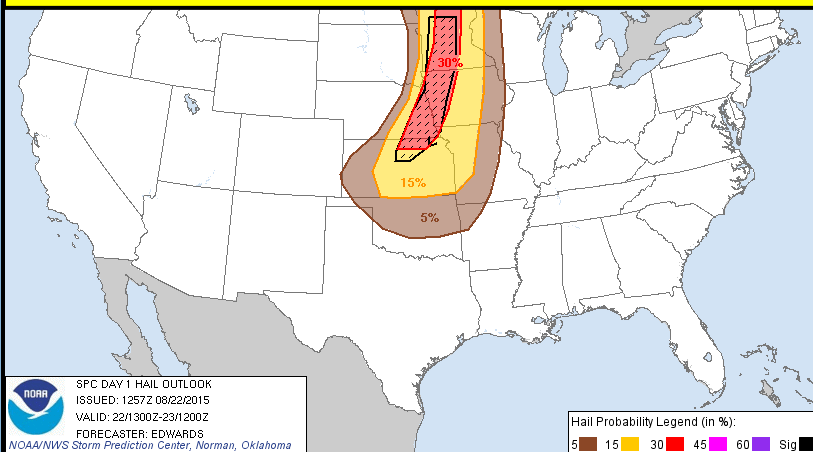
Overall Threat Potential



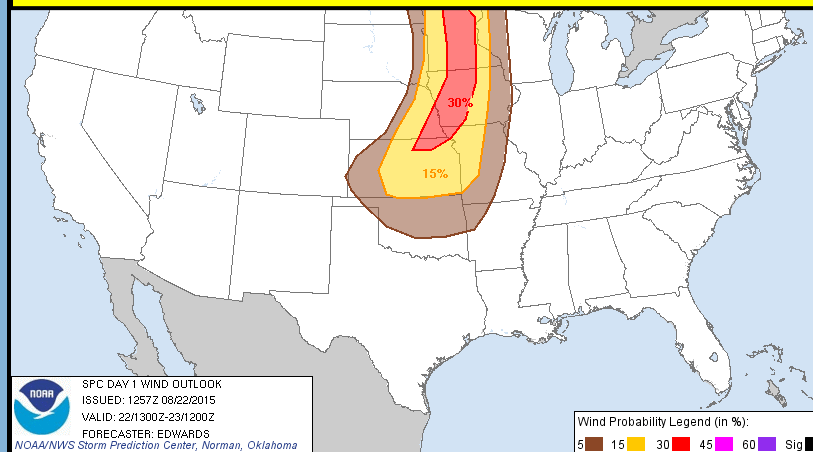
Probability of Tornado within 25 miles of a point



Probability of Damaging Hail within 25 miles of a point



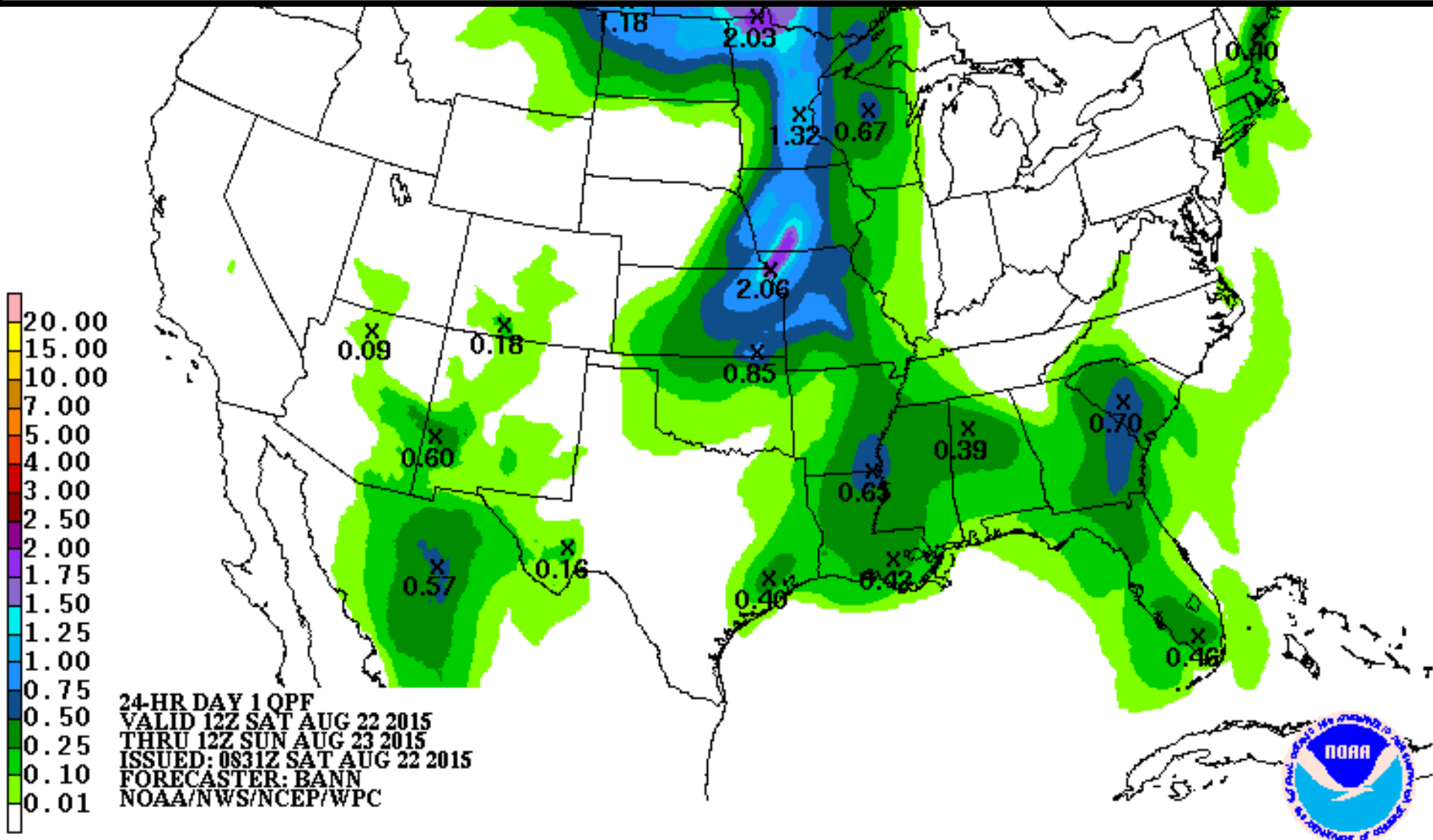
Probability of Damaging Winds within 25 miles of a point



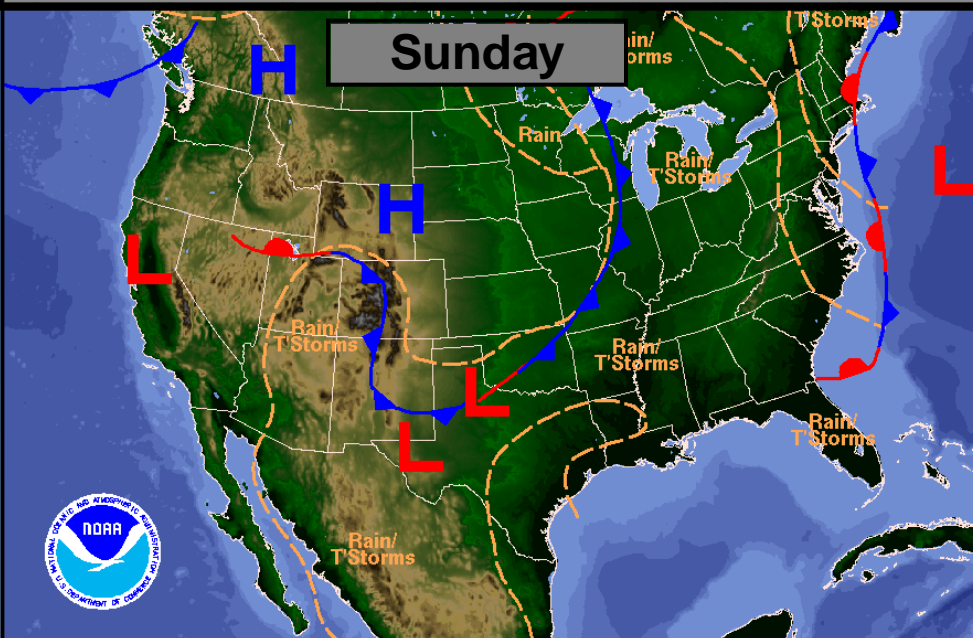
Building a Weather-Ready Nation

Today's Precipitation

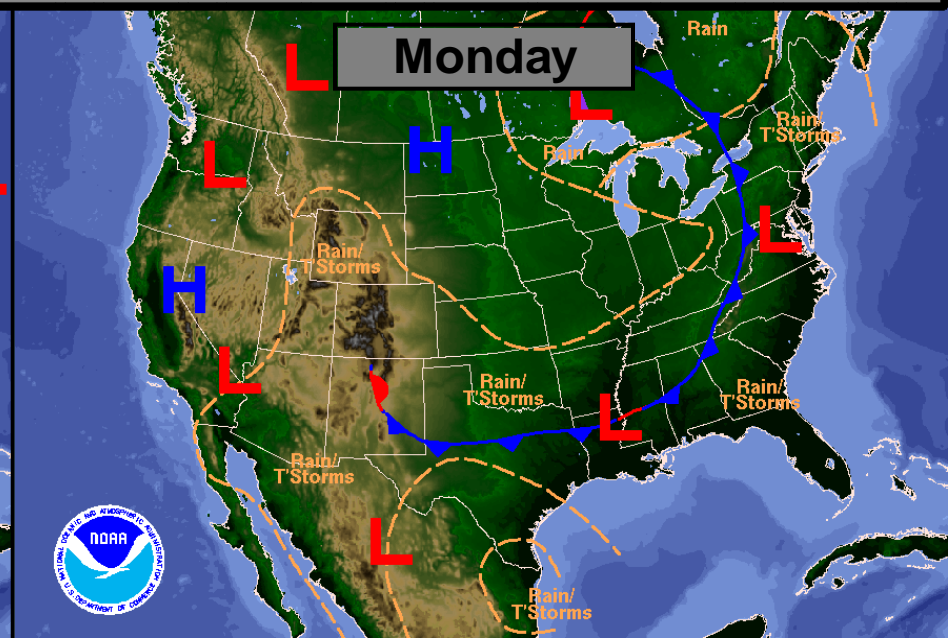
Sat AM - Sun AM



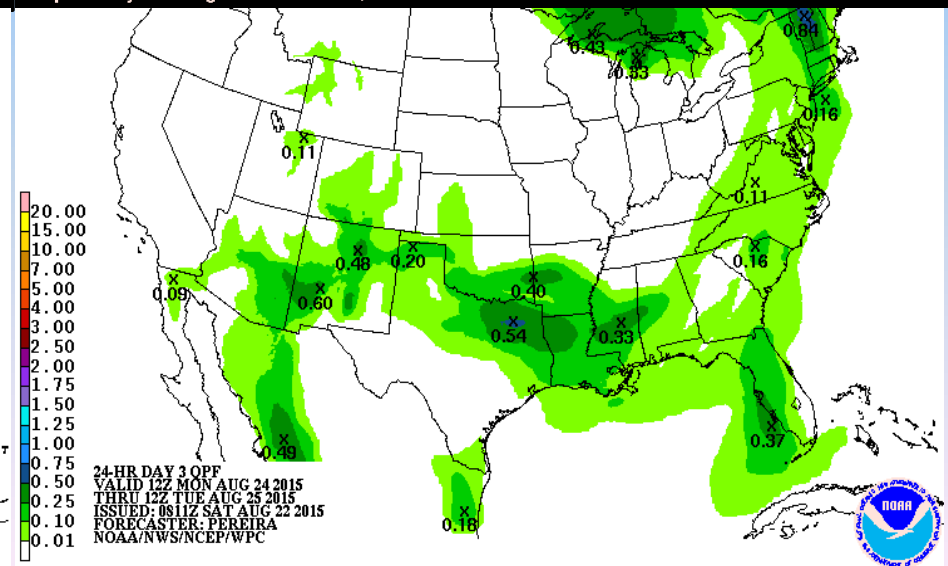
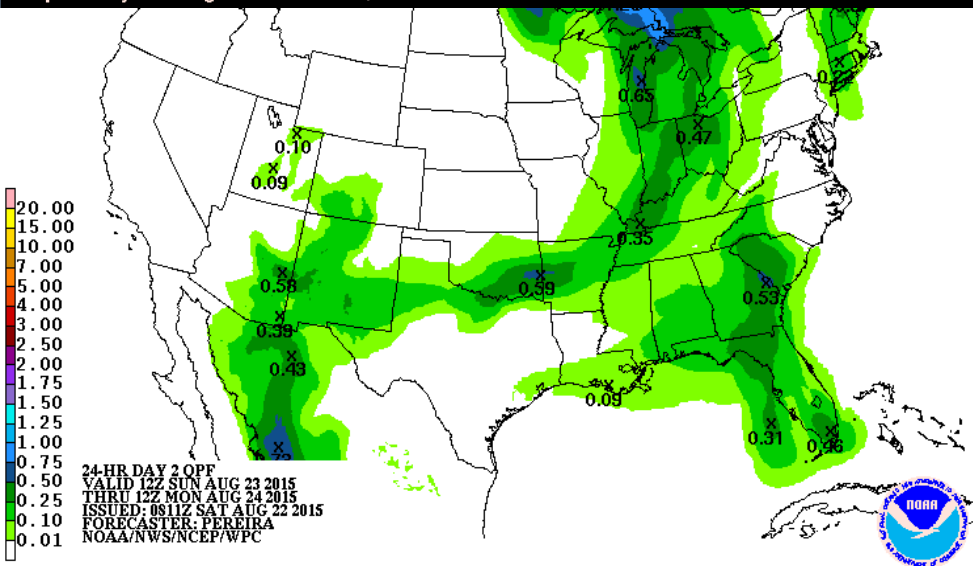
Day 2-3 Weather Maps/Precipitation



Weather Forecast for Sun, Aug 23, 2015, issued 4:24 AM EDT Sat, Aug 22, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Fanning based on WPC, SPC and NHC forecasts



Weather Forecast for Mon, Aug 24, 2015, issued 4:26 AM EDT Sat, Aug 22, 2015
 DOC/NOAA/NWS/NCEP/Weather Prediction Center
 Prepared by Fanning based on WPC, SPC and NHC forecasts



Day 2-3 Weather Hazards

Valid: 0800 Sun - 0800 Tue



**No Significant
Weather Impacts
Expected**



*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

Day 4-5 Weather Hazards

Valid: 0800 Tue - 0800 Thu



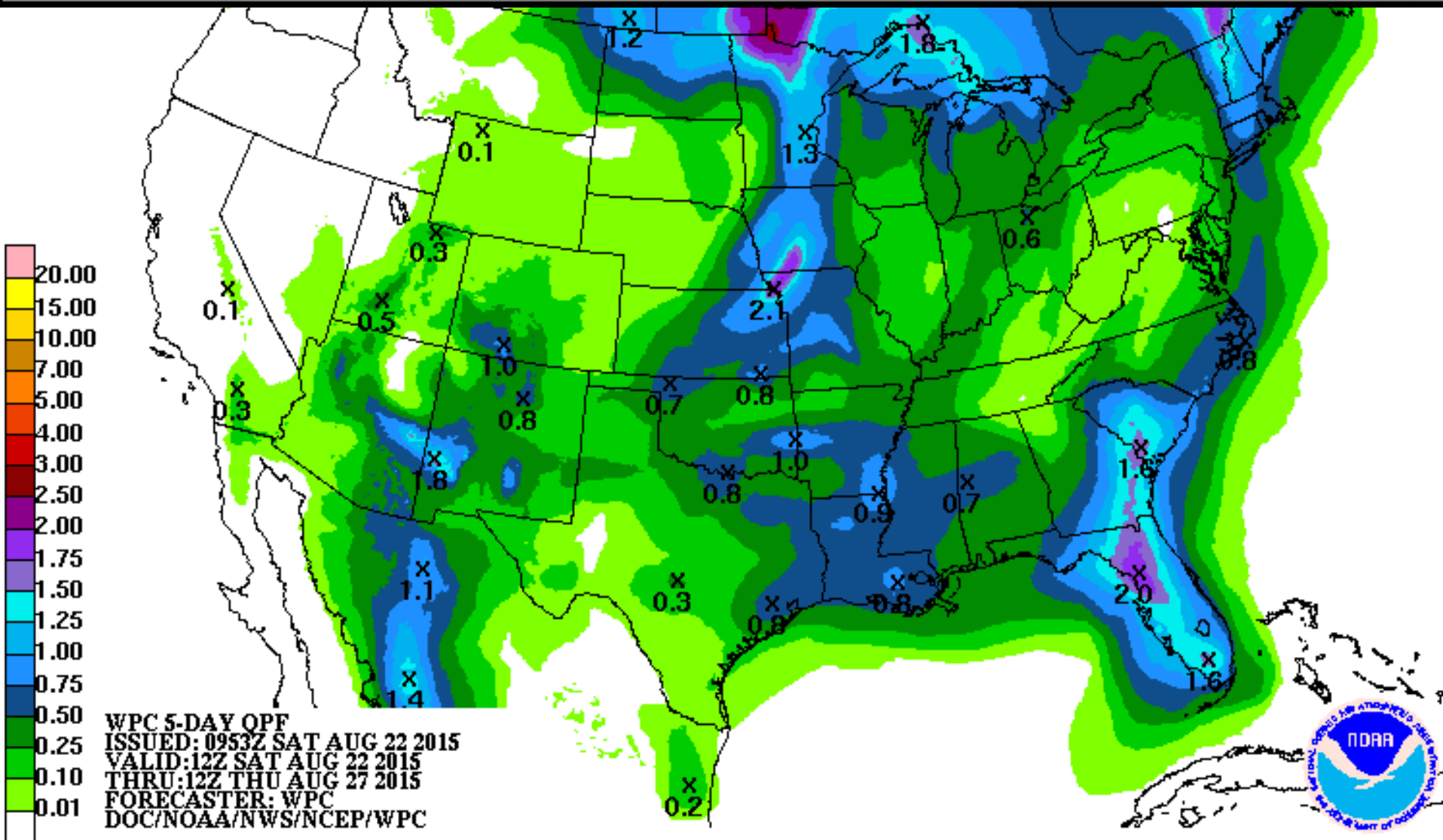
**No Significant
Weather Impacts
Expected**

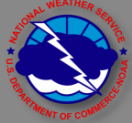


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5-Day Precipitation

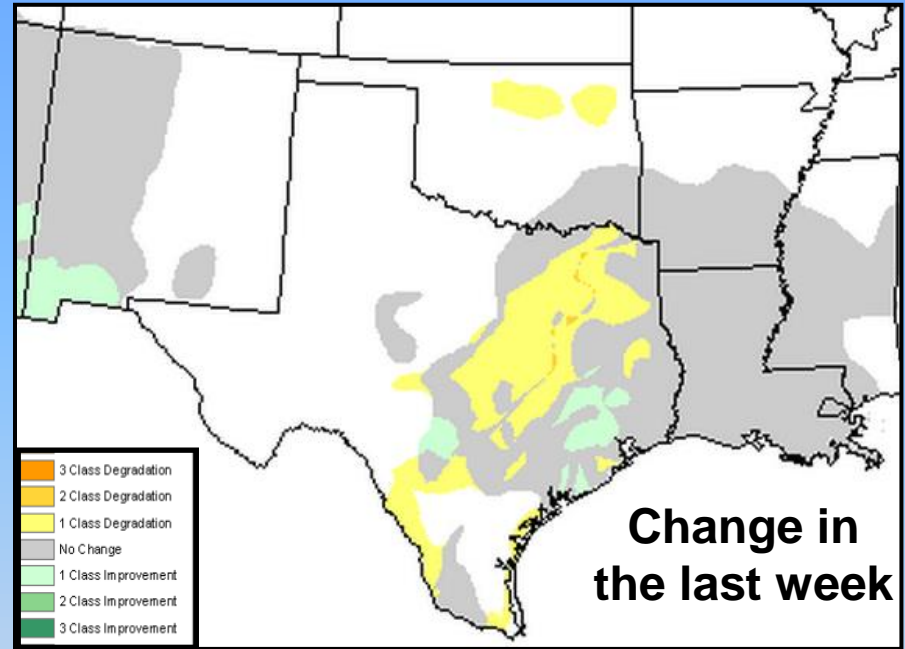
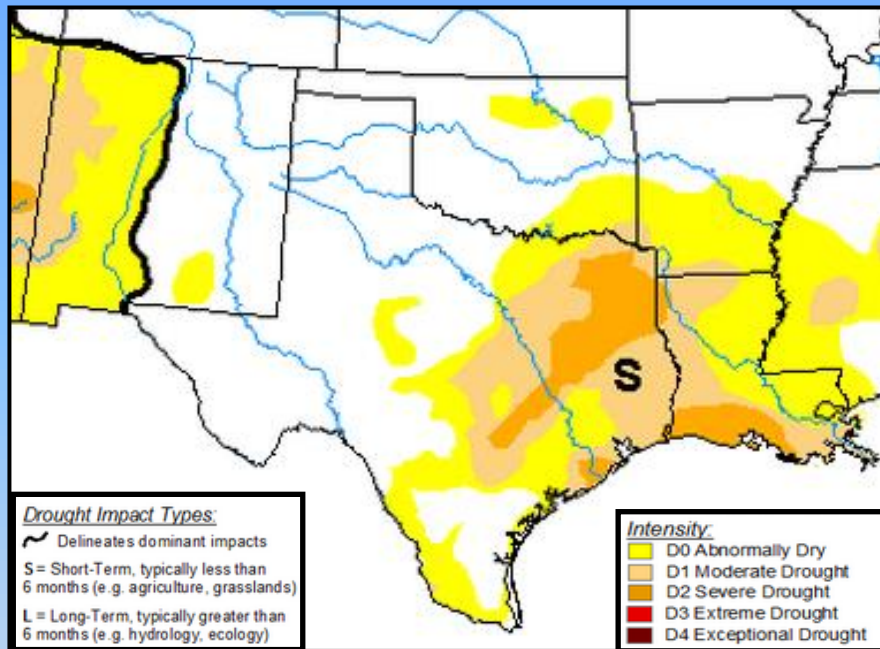
Sat AM - Thu AM





Drought Monitor Released Aug 20, 2015

Data valid as of 7am CDT, Tuesday Aug 18, 2015



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	0.00%	15.35%
Texas	0.00%	0.00%	0.00%	15.16%
New Mexico	0.00%	0.00%	0.00%	7.39%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

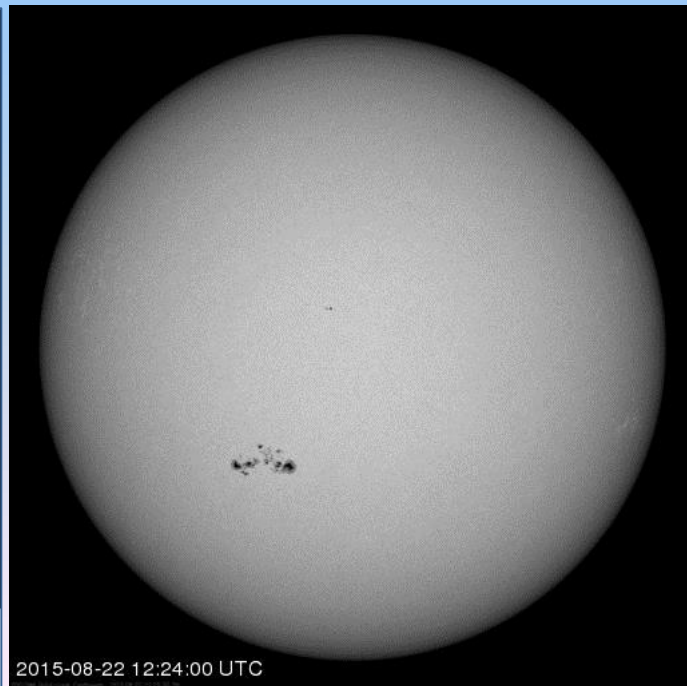
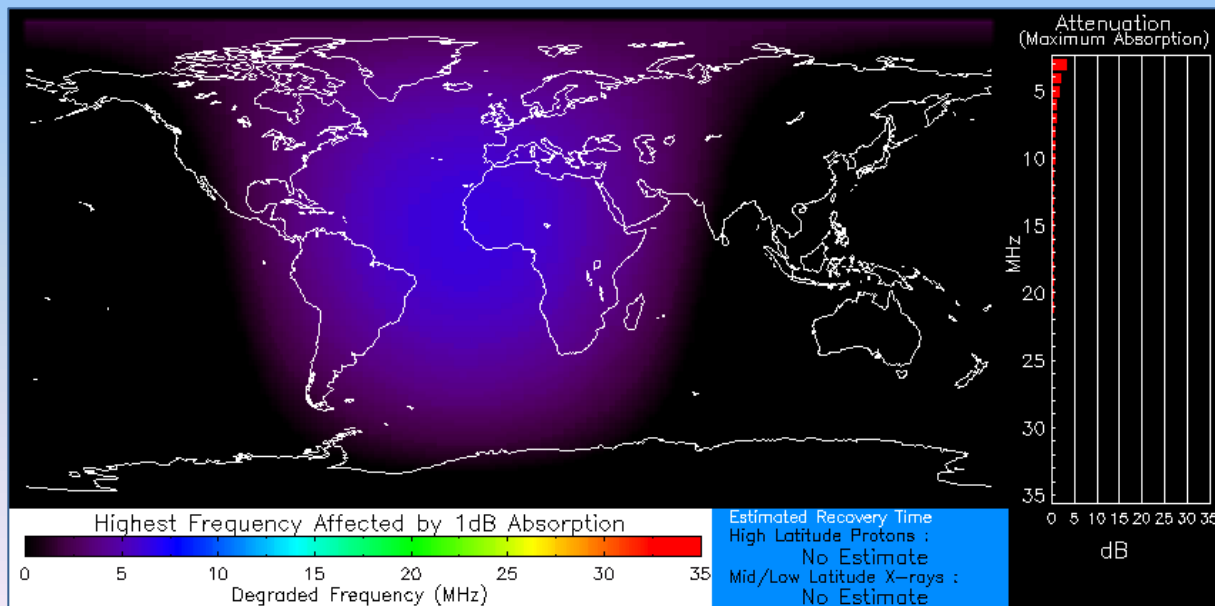
Space Weather 3-Day Forecast



	Saturday	Sunday	Monday
Geomagnetic Storms	Unsettled (Max Kp = 3)	Minor Storm (G1) (Max Kp = 5)	Active (Max Kp = 4)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	45%	45%	45%
Radio Blackout (R3-R5)	10%	10%	10%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2015-08-22 12:24:00 UTC

Normal X-ray Background
Product Valid At : 2015-08-22 13:02 UTC

Normal Proton Background
NOAA/SWPC Boulder, CO USA

Information provided by:



National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

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